ABDOMEN, PELVIS AND PERINEUM
PLAIN FILM (KUB) AND BARIUM STUDIES
THE GASTRIC ANTRUM IS VERY ANTERIOR
THE TRANSVERSE AND PROXIMAL SIGMOID COLON ARE VERY ANTERIOR
ON A SUPINE FILM, GAS WILL RISE TO THE LEAST DEPENDENT POINTS (i.e. ANTERIOR STRUCTURES)
LEFT HAND RULE: PLACE LEFT HAND ON RIGHT HIP

FUNDUS
BODY
ANTRUM
DUODENUM
UGI SERIES (SUPINE)

FUNDUS

BODY

ANTRUM

DUODENUM
SAME PATIENT
WHICH IS PRONE
AND WHICH IS SUPINE?

PRONE

SUPINE
COLON

CECUM

ASCENDING COLON

TRANSVERSE COLON

DESCENDING COLON

SIGMOID COLON

RECTUM
BARIUM ENEMA

CECUM

ASCENDING COLON

TRANSVERSE COLON

DESCENDING COLON

SIGMOID COLON

RECTUM
TERMINAL
ILEUM
CECUM
APPENDIX
ANGIOGRAPHIC ANATOMY OF THE ABDOMEN
NORMAL AORTOGRAM (FRONTAL)

HEPATIC ARTERY
SPLENIC ARTERY
RIGHT RENAL ARTERY
LEFT RENAL ARTERY
NORMAL AORTOGRAM (LATERAL)

CELIAC AXIS

SMA
CELIAC ARTERIOGRAM (ARTERIAL)
MAIN HEPATIC A.
GASTRODUODENAL ARTERY
HEPATIC PROPER ARTERY
LEFT GASTRIC A
SPLENIC ARTERY
PANCREAS AND STOMACH CUT

- Portal Vein
- Splenic Vein
- Inferior Mesenteric Vein
- Superior Mesenteric Vein
- IVC ( Inferior Vena Cava )
CELIAC ARTERIOGRAM (VENOUS PHASE)

SPLENIC VEIN

PORTAL VEIN

SPLEEN
SUPERIOR MESENTERIC ARTERIOGRAM

SMA

JEJUNAL BRANCH

ILEOCOLIC ARTERY

NOT ON TEST
SUPERIOR MESENTERIC VEIN RUNS TO THE RIGHT OF THE SUPERIOR MESENTERIC ARTERY
SMA (VENOUS PHASE)

NOT ON TEST
SMA (VENOUS PHASE)

PORTAL VEIN

SMV

CATHETER IN SMA

NOT ON TEST
INFERIOR MESENTERIC ARTERIOGRAM

IMA
LEFT COLIC ARTERY
SUPERIOR RECTAL ARTERY
CATHETER IN THE IMA
CT ANATOMY
CUT 1. ABOVE CELIAC AXIS
ON ALL SCANS IDENTIFY:

- STOMACH
- LIVER
- AORTA
- INF VENA CAVA
- RT KIDNEY
- LT KIDNEY
PORTAL VEIN RUNS ALONG THE VENTRAL SURFACE OF THE INFERIOR VENA CAVA
CUT 1 ABOVE CELIAC AXIS
DIAPHRAGMATIC CRURA

Inf. Vena Cava

Esophagus

Celiac Axis

R. Crus

L. Crus

L3

FIBROUS ATTACHMENT OF THE DIAPHRAGM
AORTA
RIGHT CRUS
LEFT CRUS
CRURA FORM A TENT IN CROSS SECTION (AXIAL)
DIAPHRAGMATIC CRURA
HEPATIC ARTERY RUNS ALONG THE VENTRAL SURFACE OF THE PORTAL VEIN
CUT 2. TOP OF THE CELIAC AXIS
CELIAC AXIS IS THE FIRST MAJOR BRANCH OFF OF THE AORTA
CELIAC TRUNK
HEPATIC ARTERY
SPLENIC ARTERY
LEFT GASTRIC
SMA
CUT 3. THROUGH THE CELIAC AXIS
SPLENIC VEIN RUNS ALONG THE DORSAL SURFACE OF THE PANCREAS
CUT 4. BETWEEN THE CELIAC AND SMA
PORTAL VEIN IS FORMED WHEN THE SPLENIC VEIN JOINS SUPERIOR MESENTERIC VEIN
SUPERIOR MESENTERIC ARTERY IS THE SECOND MAJOR BRANCH OF THE ABDOMINAL AORTA
CUT 5. SMV AND SPLENIC FORM PORTAL V

Vein tail of pancreas

Left gastro-omental (gastroepiploic)

(Great) pancreatic vein

Inferior mesenteric vein
LEFT RENAL VEIN RUNS BETWEEN AORTA AND SUPERIOR MESENTERIC ARTERY
CUT 6. ALONG LEFT RENAL VEIN
PANCREATIC HEAD LIES MEDIAL TO THE DUODENUM AND TO THE RIGHT OF THE SMV
PORTAL VEIN
DUODENUM
PANCREATIC HEAD
SMV
CUT 7. THROUGH PANCREATIC HEAD
ANGIOGRAPHIC ANATOMY OF THE PELVIS
CT ANATOMY OF THE PELVIS
SAGITAL MALE PELVIS
SAGITAL MALE PELVIS
AORTA
SMA
SMV
PORTAL VEIN
AORTA
LEFT RENAL ART
LEFT RENAL VEIN
IVC